

<b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b>		ATTORNEY'S DOCKET NUMBER <b>441/1/020</b> U.S. APPLICATION NO. (If known, use 37 CFR 1.5) <b>10/528979</b>
INTERNATIONAL APPLICATION NO. <b>PCT/JP2003/014610</b>	INTERNATIONAL FILING DATE <b>November 17, 2003</b>	PRIORITY DATE CLAIMED <b>November 19, 2002</b>
TITLE OF INVENTION <b>NOVEL FUNCTIONAL PEPTIDE NUCLEIC ACID AND PROCESS FOR PRODUCING THE SAME</b>		
APPLICANT(S) FOR DO/EO/US <b>Hisafumi IKEDA et al</b>		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371. 2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371. 3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. 4. <input checked="" type="checkbox"/> The US has been elected (Article 31). 5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input checked="" type="checkbox"/> has been communicated by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). 6. <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). a. <input checked="" type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). 7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) a. <input checked="" type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input type="checkbox"/> have not been made and will not be made. 8. <input checked="" type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). 10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). <b>Items 11 to 20 below concern document(s) or information included:</b> 11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. <b>One Form PTO/SB/08A &amp; 4 references</b> 12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 13. <input checked="" type="checkbox"/> A preliminary amendment. 14. <input checked="" type="checkbox"/> An Application Data Sheet under 37 CFR 1.76. 15. <input type="checkbox"/> A substitute specification. 16. <input type="checkbox"/> A power of attorney and/or change of address letter. 17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825. 18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4). 19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4). 20. <input checked="" type="checkbox"/> Other items or information: <b>PCT/IB/308 and PCT/ISA/210 (&amp; translation)</b>		

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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U.S. APPLICATION NO. (if known, see 37 CFR 1.5) <b>10/528979</b>		INTERNATIONAL APPLICATION NO. PCT/JP2003/014610		ATTORNEY'S DOCKET NUMBER 441/1/020	
The following fees have been submitted				CALCULATIONS	PTO USE ONLY
21. <input checked="" type="checkbox"/> Basic national fee..... \$300				\$ 300	
22. <input checked="" type="checkbox"/> Examination fee If International preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4)..... \$100 All other situations..... \$200				\$ 200	
23. <input checked="" type="checkbox"/> Search fee Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority..... \$100 International Search Report prepared and provided to the Office..... \$400 All other situations..... \$500				\$ 400	
<b>TOTAL OF 21, 22 and 23 =</b>				\$ 900	
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.					
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE		
- 100 =	/50 =		x \$250	\$ 0	
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(h)).				\$ 0	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$	
Total claims	15 - 20 =	0	x \$ 50	\$ 0	
Independent claims	3 - 3 =	0	x \$200	\$ 0	
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$360	\$ 0	
<b>TOTAL OF ABOVE CALCULATIONS =</b>				\$ 900	
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.				450	
<b>SUBTOTAL =</b>				\$ 450	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).				\$ 0	
<b>TOTAL NATIONAL FEE =</b>				\$ 450	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				\$ 0	
<b>TOTAL FEES ENCLOSED =</b>				\$ 450	
				Amount to be refunded:	\$
				Amount to be charged:	\$ 450
<p>a. <input type="checkbox"/> A check in the amount of \$ _____ to cover the above fees is enclosed.</p> <p>b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No <u>07-1524</u>. A duplicate copy of this sheet is enclosed.</p> <p>d. <input checked="" type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.</p>					
<p><b>NOTE:</b> Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.</p>					
<p>SEND ALL CORRESPONDENCE TO:</p> <p>Richard M. Goldberg 25 East Salem Street Suite 419 Hackensack, NJ 07601 (201) 343-7775</p>			<p><i>Richard M. Goldberg</i> SIGNATURE Richard M. Goldberg NAME <u>28,215</u> REGISTRATION NUMBER</p>		

10/528979  
JC17 Rec'd PCT/PTO 23 MAR 2005

**GOLDBERG PATENT LAW OFFICE**

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March 23, 2005

Mail Stop PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Re: Entering National Stage in  
PCT Application No. PCT/JP2003/014610  
Applicants: Hisafumi IKEDA et al  
Title : NOVEL FUNCTIONAL PEPTIDE NUCLEIC  
ACID AND PROCESS FOR PRODUCING THE  
SAME  
Our File : 441/1/020

Certificate of Mailing By Express Mail Under 37 CFR 1.10  
Express Mail "Mailing Label No.": ED 173244505 US  
Date of Deposit : MARCH 23, 2005  
I hereby certify that this paper and/or fee is being deposited with  
the United States Postal Service "Express Mail Post Office to  
Addressee" service under 37 C.F.R. 1.10 on the date indicated above  
and is addressed to Mail Stop PCT, COMMISSIONER FOR PATENTS, P.O.  
Box 1450, Alexandria, VA 22313-1450 on MARCH 23, 2005.

Richard M. Goldberg  
(Name of Registered Representative  
and person mailing)

Richard M. Goldberg March 23,  
(Signature and Date) 2005

Dear Sirs:

Transmitted herewith for filing in the U.S. Patent and  
Trademark Office is a new U.S. patent application including:

Transmitted herewith for filing in the U.S. Patent and  
Trademark Office (entering the national phase in a PCT  
application (PCT/JP2003/014610) (WO 2004/046089) is a new  
application including:

- a) Form PTO-1390 (in duplicate), with authorization to  
charge \$450.00 to credit card, along with Credit Card  
Payment Form (PTO-2038);

Commissioner for Patents  
March 23, 2005  
Page 2

- b) Form PCT/IB/308 (mailed June 3, 2004) entitled NOTICE INFORMING THE APPLICANT OF THE COMMUNICATION OF THE INTERNATIONAL APPLICATION TO THE DESIGNATED OFFICES, indicating that the original PCT application was transmitted by the International Office to the U.S. Patent and Trademark Office - 1 page;
- c) Original filed Japanese-language application of fifty-one (51) pages with twelve (12) claims and one (1) sheet of drawing;
- d) English-language translation of original PCT application, which is an accurate translation of the original Japanese language PCT application;
- e) One sheet of formal drawing in English;
- f) Executed Declaration and Power of Attorney;
- g) Application Data Sheet;
- h) Amendment Filed in International Application under Article 11 in the Japanese language and English language translation thereof;
- i) Form PCT/ISA/210 - International Search Report - in Japanese and English translation;
- j) Preliminary Amendment;
- k) Information Disclosure Statement, one form PTO/SB/08A and four references.

**APPLICANTS QUALIFY FOR SMALL ENTITY STATUS.**

It is respectfully requested that the above-identified PCT application be granted a filing date within the May 19, 2005 convention term (30 months), based on Japanese Application No. 2002-335738, filed November 19, 2002, and Application No. PCT/JP2003/014610, filed November 17, 2003.

Commissioner for Patents

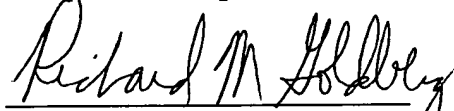
March 23, 2005

Page 3

In the event that this Paper is late filed, and the necessary petition for extension of time is not filed concurrently herewith, please consider this as a Petition for the requisite extension of time, and to the extent not tendered by check attached hereto, authorization to charge the extension fee, or any other fee required in connection with this Paper, to Account No. 07-1524.

The Commissioner is authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 07-1524.

Respectfully submitted,



Richard M. Goldberg  
Registration No. 28,215

RMG:mz  
enclosures

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